

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Frough Sherwani

GENERAL INFORMATION:

Name:	Arch Environmental Equipment, Inc.
Address:	5929 Benton Road Paducah, Kentucky 42003
Date application received:	July 10, 2006
SIC/Source description:	3535/Conveyor systems for general industrial use
Plant I. D.	021-145-00088
AI number:	39228
Permit number:	F-06-054

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Allowable (tpy)	Potential (tpy)
PM/PM10	NA	8.6
VOC*	90.0	321.0
**MEK	9.0	12.71
**Toluene	9.0	81.0
**MIBK	9.0	25.3
**Ethylenebenzene	9.0	15.05
Xylene**	9.0	95
MDI**	9.0	15.0
HAPS***	22.5	244.0

* The source has accepted a facility-wide cap on annual VOC emissions of no more than 90 tons per rolling 12-month period.

** The source has accepted a facility-wide cap on annual individual HAP emission of no more than 9 tons per rolling 12-month period.

*** The source has accepted a facility-wide cap on annual combined HAPS emissions of no more than 22.5 tons per rolling 12-month period.

SOURCE DESCRIPTION:

The Arch Environmental Equipment, Inc. USA, Inc. is located in Paducah, Kentucky. The facility manufactures conveyor components and dust control equipment.

On July 10, 2006 the source applied to the Division for the renewal of their conditional major permit F-01-039.

The source has one spray booth, two urethane shops, five welding stations, one wood working area and two natural gas curing ovens.